

S V Makarov

List of Publications by Year in descending order

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169
papers

4,766
citations

87888

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169
docs citations

169
times ranked

3838
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Harmonic Generation from Resonant Dielectric Metasurfaces Empowered by Bound States in the Continuum. <i>ACS Photonics</i> , 2022, 9, 567-574.	6.6	84
2	Efficient Emission Outcoupling from Perovskite Lasers into Highly Directional and Long-Propagation Length Bloch Surface Waves. <i>Laser and Photonics Reviews</i> , 2022, 16, .	8.7	15
3	Halide Perovskites for Photonics and Optoelectronics: introduction to special issue. <i>Optical Materials Express</i> , 2022, 12, 1764.	3.0	0
4	Optically Reconfigurable Spherical Ge ₂ Sb ₂ Te Nanoparticles with Reversible Switching. <i>Laser and Photonics Reviews</i> , 2022, 16, .	8.7	10
5	Single-Walled Carbon Nanotube Thin Film for Flexible and Highly Responsive Perovskite Photodetector. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	21
6	Excitonic versus Free-Carrier Contributions to the Nonlinearly Excited Photoluminescence in CsPbBr ₃ Perovskites. <i>ACS Photonics</i> , 2022, 9, 179-189.	6.6	11
7	Large-scale flexible membrane with resonant silicon nanowires for infrared visualization via efficient third harmonic generation. <i>Applied Physics Letters</i> , 2022, 120, 151102.	3.3	2
8	Incorporation of Perovskite Nanocrystals into Polymer Matrix for Enhanced Stability in Biological Media: <i>In Vitro</i> and <i>In Vivo</i> Studies. <i>ACS Applied Bio Materials</i> , 2022, 5, 2411-2420.	4.6	6
9	Multifunctional and Transformative Metaphotonics with Emerging Materials. <i>Chemical Reviews</i> , 2022, 122, 15414-15449.	47.7	23
10	Terahertz Detection with Optically Gated Halide Perovskites. <i>ACS Photonics</i> , 2022, 9, 1663-1670.	6.6	2
11	Nonlinear optical heating of all-dielectric super-cavity: efficient light-to-heat conversion through giant thermorefractive bistability. <i>Nanophotonics</i> , 2022, 11, 3981-3991.	6.0	10
12	Nanophotonics for Perovskite Solar Cells. <i>Advanced Photonics Research</i> , 2022, 3, .	3.6	15
13	Femtosecond Laser-Assisted Formation of Hybrid Nanoparticles from Bi-Layer Gold-Silicon Films for Microscale White-Light Source. <i>Nanomaterials</i> , 2022, 12, 1756.	4.1	3
14	Structural color image augmented by inkjet printed perovskite patterning. <i>Applied Materials Today</i> , 2022, 28, 101545.	4.3	1
15	Nanoscale Gallium Phosphide Epilayers on Sapphire for Low-Loss Visible Nanophotonics. <i>ACS Applied Nano Materials</i> , 2022, 5, 8846-8858.	5.0	7
16	Reconfigurable Perovskite LEC: Effects of Ionic Additives and Dual Function Devices. <i>Advanced Optical Materials</i> , 2021, 9, 2001715.	7.3	33
17	Black Au-Decorated TiO ₂ Produced via Laser Ablation in Liquid. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 6522-6531.	8.0	32
18	Reconfigurable Perovskite LEC: Effects of Ionic Additives and Dual Function Devices (Advanced Optical) Tj ETQq0 0.0,rgBT /Oyerlock 10	7.3	33

#	ARTICLE	IF	CITATIONS
19	Recrystallization of CsPbBr ₃ Nanoparticles in Fluoropolymer Nonwoven Mats for Down- and Up-Conversion of Light. <i>Nanomaterials</i> , 2021, 11, 412.	4.1	6
20	Mark Stockman: Evangelist for Plasmonics. <i>ACS Photonics</i> , 2021, 8, 683-698.	6.6	2
21	Acceleration of radiative recombination in quasi-2D perovskite films on hyperbolic metamaterials. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	12
22	Single-Step Microfluidic Synthesis of Halide Perovskite Nanolasers in Suspension. <i>Chemistry of Materials</i> , 2021, 33, 2777-2784.	6.7	13
23	Enhanced Photoluminescence of Halide Perovskite Nanocrystals Mediated by a Higher-Order Topological Metasurface. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9884-9890.	3.1	9
24	Directly grown crystalline gallium phosphide on sapphire for nonlinear all-dielectric nanophotonics. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	37
25	Enhanced Raman Scattering for Probing Near-Field Distribution in All-Dielectric Nanostructures. <i>Advanced Photonics Research</i> , 2021, 2, 2000139.	3.6	5
26	Direct Imprinting of Laser Field on Halide Perovskite Single Crystal for Advanced Photonic Applications. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100094.	8.7	30
27	Lasing Action from Anapole Metasurfaces. <i>Nano Letters</i> , 2021, 21, 6563-6568.	9.1	43
28	Modifying light-matter interactions with perovskite nanocrystals inside antiresonant photonic crystal fiber. <i>Photonics Research</i> , 2021, 9, 1462.	7.0	10
29	Enhanced Multiphoton Processes in Perovskite Metasurfaces. <i>Nano Letters</i> , 2021, 21, 7191-7197.	9.1	40
30	All-dielectric termonanophotonics. <i>Advances in Optics and Photonics</i> , 2021, 13, 643.	25.5	46
31	Halide Perovskite Nanocrystals with Enhanced Water Stability for Upconversion Imaging in a Living Cell. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8991-8998.	4.6	20
32	Flexible Perovskite CsPbBr ₃ Light Emitting Devices Integrated with GaP Nanowire Arrays in Highly Transparent and Durable Functionalized Silicones. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9672-9676.	4.6	6
33	Opto-thermally controlled beam steering in nonlinear all-dielectric metastructures. <i>Optics Express</i> , 2021, 29, 37128.	3.4	26
34	Mie-resonant mesoporous electron transport layer for highly efficient perovskite solar cells. <i>Nano Energy</i> , 2021, 89, 106484.	16.0	18
35	Hybrid Perovskite Terahertz Photoconductive Antenna. <i>Nanomaterials</i> , 2021, 11, 313.	4.1	11
36	Giant Enhancement of Radiative Recombination in Perovskite Light-Emitting Diodes with Plasmonic Core-Shell Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 45.	4.1	12

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37	Directional Lasing from Nanopatterned Halide Perovskite Nanowire. Nano Letters, 2021, 21, 10019-10025.	9.1	32
38	Semitransparent visualizers of infrared lasers based on perovskite quantum dots. Journal of Physics: Conference Series, 2021, 2015, 012112.	0.4	0
39	2D Perovskite Micro-optics Enabled by Direct Femtosecond-Laser Projection Lithography. Journal of Physics: Conference Series, 2021, 2015, 012075.	0.4	1
40	Optical heating of doped semiconductor nanocylinders supporting quasi-BIC modes. Journal of Physics: Conference Series, 2021, 2015, 012129.	0.4	0
41	Upconversion photoluminescence of perovskite nanoparticles encapsulated in porous sub-micron spheres supporting Mie resonances.. Journal of Physics: Conference Series, 2021, 2015, 012089.	0.4	0
42	Continuous-Flow Synthesis of Perovskite Particles for Optical Application. Journal of Physics: Conference Series, 2021, 2015, 012072.	0.4	0
43	Ultrafast laser heating of non-plasmonic nanocylinders. Journal of Physics: Conference Series, 2021, 2015, 012104.	0.4	0
44	Anion Exchange Reaction in Halide Perovskite Single Crystals Structured by Laser Pulses. Journal of Physics: Conference Series, 2021, 2015, 012085.	0.4	0
45	Control of spontaneous emission rate in lead halide perovskite film on hyperbolic metamaterial. Journal of Physics: Conference Series, 2021, 2015, 012153.	0.4	0
46	Silicon nanowire/polymer membrane for infrared visualization via third-harmonic generation. Journal of Physics: Conference Series, 2021, 2015, 012096.	0.4	1
47	Study of nonlinear optical phenomena in silicone films encapsulated with SiO ₂ and Si/SiO ₂ spherical particles. Journal of Physics: Conference Series, 2021, 2103, 012119.	0.4	0
48	Processing and characterization of GaP nanowires encapsulated into a PDMS large-scale membrane for flexible optoelectronics. Journal of Physics: Conference Series, 2021, 2086, 012093.	0.4	0
49	Study of nonlinear optical phenomena in silicon nanowires. Journal of Physics: Conference Series, 2021, 2086, 012023.	0.4	0
50	Enhanced terahertz emission from imprinted halide perovskite nanostructures. Nanophotonics, 2020, 9, 187-194.	6.0	16
51	Engineering the Charge Transport Properties of Resonant Silicon Nanoparticles in Perovskite Solar Cells. Energy Technology, 2020, 8, 1900877.	3.8	12
52	Plasmonic nanosponges filled with silicon for enhanced white light emission. Nanoscale, 2020, 12, 1013-1021.	5.6	32
53	Suppression of Electric Field-Induced Segregation in Sky-Blue Perovskite Light-Emitting Electrochemical Cells. Nanomaterials, 2020, 10, 1937.	4.1	14
54	Dipolar cation accumulation at the interfaces of perovskite light-emitting solar cells. Journal of Materials Chemistry C, 2020, 8, 16992-16999.	5.5	7

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55	Tuning the Ultrafast Response of Fano Resonances in Halide Perovskite Nanoparticles. ACS Nano, 2020, 14, 13602-13610.	14.6	14
56	Manipulation Technique for Precise Transfer of Single Perovskite Nanoparticles. Nanomaterials, 2020, 10, 1306.	4.1	8
57	Gallium Phosphide Nanowires in a Free-Standing, Flexible, and Semitransparent Membrane for Large-Scale Infrared-to-Visible Light Conversion. ACS Nano, 2020, 14, 10624-10632.	14.6	38
58	Synthesis of perovskite nanoparticles in microfluidic chips. Journal of Physics: Conference Series, 2020, 1461, 012071.	0.4	1
59	Laser-printed hollow nanostructures for nonlinear plasmonics. Applied Physics Letters, 2020, 117, .	3.3	7
60	Nonlinear optical properties of Sponge Si/Au nanoparticle. Journal of Physics: Conference Series, 2020, 1461, 012081.	0.4	3
61	Evaluating the performance of a single-layer blue light-emitting electrochemical cell based on a perovskite-polymer composite. AIP Conference Proceedings, 2020, , .	0.4	0
62	Improvement of methylammonium lead iodide based perovskite solar cells by phosphorus doped silicon nanoparticles. AIP Conference Proceedings, 2020, , .	0.4	0
63	Theoretical study of nonlinear photoluminescence from perovskite quantum dots enhanced by resonant silicon nanoparticles. AIP Conference Proceedings, 2020, , .	0.4	0
64	Polymer modification of perovskite solar cells to increase open-circuit voltage. AIP Conference Proceedings, 2020, , .	0.4	0
65	Light induced temperature decrease of semiconductor nanoparticle. Journal of Physics: Conference Series, 2020, 1461, 012179.	0.4	0
66	Doping of resonant silicon nanodisks for efficient optical heating in the near-infrared range. Journal of Physics: Conference Series, 2020, 1461, 012201.	0.4	0
67	Broadband Antireflection with Halide Perovskite Metasurfaces. Laser and Photonics Reviews, 2020, 14, 2000338.	8.7	26
68	Room-Temperature Lasing from Mie-Resonant Nonplasmonic Nanoparticles. ACS Nano, 2020, 14, 8149-8156.	14.6	105
69	Optical modes in perovskite nanowire with shallow bi-periodic grating. Journal of Physics: Conference Series, 2020, 1461, 012013.	0.4	1
70	Perovskiteâ€“Gallium Phosphide Platform for Reconfigurable Visible-Light Nanophotonic Chip. ACS Nano, 2020, 14, 8126-8134.	14.6	39
71	Stimulated Raman Scattering from Mie-Resonant Subwavelength Nanoparticles. Nano Letters, 2020, 20, 5786-5791.	9.1	22
72	Optimized interatomic potential for study of structure and phase transitions in Si-Au and Si-Al systems. Computational Materials Science, 2020, 184, 109891.	3.0	26

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73	Single-particle perovskite lasers: from material properties to cavity design. <i>Nanophotonics</i> , 2020, 9, 599-610.	6.0	34
74	Synergistic Effect of Plasma and Laser Processes in Liquid for Alloyed-Nanoparticle Synthesis. <i>Physical Review Applied</i> , 2020, 13, .	3.8	13
75	All-Optical Nanoscale Heating and Thermometry with Resonant Dielectric Nanoparticles for Controllable Drug Release in Living Cells. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900082.	8.7	34
76	Fabrication of halide-perovskite resonant microcylinders by nanoimprint lithography. <i>Journal of Physics: Conference Series</i> , 2020, 1461, 012178.	0.4	0
77	Light-Emitting Nanophotonic Designs Enabled by Ultrafast Laser Processing of Halide Perovskites. <i>Small</i> , 2020, 16, e2000410.	10.0	60
78	Tunable Mie Resonances of Tin-based Iodide Perovskite Islandlike Films with Enhanced Infrared Photoluminescence. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3332-3338.	4.6	8
79	Metal-dielectric nanoantenna for radiation control of a single-photon emitter. <i>Optical Materials Express</i> , 2020, 10, 29.	3.0	15
80	Perovskite nanowire lasers on low-refractive-index conductive substrate for high-Q and low-threshold operation. <i>Nanophotonics</i> , 2020, 9, 3977-3984.	6.0	28
81	Numerical study of purcell effect enhancement for CsPbBr ₃ perovskite cubic particle. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
82	Microfluidics-based synthesis of lead cesium bromide perovskite microcrystals. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
83	Electronic structure of CsPbBr ₃ perovskites: synthesis, experimental characterization, and DFT simulations. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 18930-18938.	2.8	68
84	Revealing Low-Radiative Modes of Nanoresonators with Internal Raman Scattering. <i>JETP Letters</i> , 2019, 110, 25-30.	1.4	5
85	Ultrafast All-Optical Tuning of Fano Resonant Halide Perovskite Nanoparticles. , 2019, , .		0
86	Single-step direct laser writing of halide perovskite microlasers. <i>Applied Physics Express</i> , 2019, 12, 122001.	2.4	18
87	Halide-Perovskite Nanophotonics: Halide-Perovskite Resonant Nanophotonics (Advanced Optical) Tj ETQq1 1 0.784314 rgBT /Overlo	7.3	5
88	Optical cooling of lead halide perovskite nanoparticles enhanced by Mie resonances. <i>Nanoscale</i> , 2019, 11, 17800-17806.	5.6	16
89	Active meta-optics and nanophotonics with halide perovskites. <i>Applied Physics Reviews</i> , 2019, 6, 031307.	11.3	68
90	Single-Mode Lasing from Imprinted Halide-Perovskite Microdisks. <i>ACS Nano</i> , 2019, 13, 4140-4147.	14.6	134

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91	Beyond quantum confinement: excitonic nonlocality in halide perovskite nanoparticles with Mie resonances. <i>Nanoscale</i> , 2019, 11, 6747-6754.	5.6	43
92	Si _{1-x} Ge _x nanoantennas with a tailored Raman response and light-to-heat conversion for advanced sensing applications. <i>Nanoscale</i> , 2019, 11, 11634-11641.	5.6	22
93	Femtosecond Laser-Induced Periodical Nanomodification of Surface Composition. <i>Semiconductors</i> , 2019, 53, 2094-2099.	0.5	2
94	Semiconductor resonant all-optical temperature sensor and thermal release trigger of encapsulated anti-cancer drugs for in vitro studies. <i>Journal of Physics: Conference Series</i> , 2019, 1410, 012077.	0.4	0
95	Halide Perovskite Resonant Nanophotonics. <i>Advanced Optical Materials</i> , 2019, 7, 1800784.	7.3	146
96	Dewetting mechanisms and their exploitation for the large-scale fabrication of advanced nanophotonic systems. <i>International Materials Reviews</i> , 2019, 64, 439-477.	19.3	50
97	Reconfigurable Near-Field Enhancement with Hybrid Metal-Dielectric Oligomers. <i>Laser and Photonics Reviews</i> , 2019, 13, 1800274.	8.7	12
98	Light-emitting perovskite solar cell with segregation enhanced self doping. <i>Applied Surface Science</i> , 2019, 476, 486-492.	6.1	19
99	A Few-Minute Synthesis of CsPbBr ₃ Nanolasers with a High Quality Factor by Spraying at Ambient Conditions. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1040-1048.	8.0	58
100	Purcell effect in active diamond nanoantennas. <i>Nanoscale</i> , 2018, 10, 8721-8727.	5.6	38
101	Photoluminescence quenching of dye molecules near a resonant silicon nanoparticle. <i>Scientific Reports</i> , 2018, 8, 6107.	3.3	32
102	Photogenerated Free Carrier-Induced Symmetry Breaking in Spherical Silicon Nanoparticle. <i>Advanced Optical Materials</i> , 2018, 6, 1701153.	7.3	22
103	Light-Emitting Halide Perovskite Nanoantennas. <i>Nano Letters</i> , 2018, 18, 1185-1190.	9.1	132
104	Single-Step Laser Plasmonic Coloration of Metal Films. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 1422-1427.	8.0	54
105	Nanoscale Generation of White Light for Ultrabroadband Nanospectroscopy. <i>Nano Letters</i> , 2018, 18, 535-539.	9.1	52
106	Metal-Dielectric Nanocavity for Real-Time Tracing Molecular Events with Temperature Feedback. <i>Laser and Photonics Reviews</i> , 2018, 12, 1700227.	8.7	45
107	Resonant silicon nanoparticles for efficiency and stability enhancement of perovskite solar cells. <i>Journal of Physics: Conference Series</i> , 2018, 1135, 012067.	0.4	1
108	Femtosecond laser nanostructuring of reinforcement bars surface for improvement of its interaction with concrete. <i>Journal of Physics: Conference Series</i> , 2018, 1092, 012082.	0.4	1

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109	Resonant Silicon Nanoparticles for Enhanced Light Harvesting in Halide Perovskite Solar Cells. Journal of Physics: Conference Series, 2018, 1092, 012038.	0.4	1
110	Optical properties of spatially dispersive Mie-resonant halide perovskite nanoparticles. Journal of Physics: Conference Series, 2018, 1092, 012009.	0.4	0
111	Photoluminescence spectral position shift governed by optical heating of perovskite resonant nanoparticles. Journal of Physics: Conference Series, 2018, 1092, 012179.	0.4	0
112	Resonant Silicon Nanoparticles for Enhanced Light Harvesting in Halide Perovskite Solar Cells. Advanced Optical Materials, 2018, 6, 1800576.	7.3	40
113	Photoinduced Migration of Ions in Optically Resonant Perovskite Nanoparticles. JETP Letters, 2018, 107, 742-748.	1.4	7
114	Resonant silicon nanoparticles with controllable crystalline states and nonlinear optical responses. Nanoscale, 2018, 10, 11403-11409.	5.6	28
115	Tunable Hybrid Fano Resonances in Halide Perovskite Nanoparticles. Nano Letters, 2018, 18, 5522-5529.	9.1	94
116	Local Crystallization of a Resonant Amorphous Silicon Nanoparticle for the Implementation of Optical Nanothermometry. JETP Letters, 2018, 107, 699-704.	1.4	14
117	Photoluminescence behavior of nanoimprinted halide perovskite at low temperatures. , 2018, , .		0
118	Multifold Emission Enhancement in Nanoimprinted Hybrid Perovskite Metasurfaces. ACS Photonics, 2017, 4, 728-735.	6.6	131
119	Resonant Nonplasmonic Nanoparticles for Efficient Temperature-Feedback Optical Heating. Nano Letters, 2017, 17, 2945-2952.	9.1	118
120	Efficient Second-Harmonic Generation in Nanocrystalline Silicon Nanoparticles. Nano Letters, 2017, 17, 3047-3053.	9.1	150
121	Second harmonic splitting in silicon nanoparticles under ultrashort-pulse excitation. AIP Conference Proceedings, 2017, , .	0.4	0
122	Light-Induced Tuning and Reconfiguration of Nanophotonic Structures. Laser and Photonics Reviews, 2017, 11, 1700108.	8.7	158
123	Photoluminescence behavior of nanoimprinted halide perovskite at low temperatures. AIP Conference Proceedings, 2017, , .	0.4	0
124	Resonant halide perovskite nanoparticles. AIP Conference Proceedings, 2017, , .	0.4	0
125	Resonant silicon nanoparticles for enhancement of light absorption and photoluminescence from hybrid perovskite films and metasurfaces. Nanoscale, 2017, 9, 12486-12493.	5.6	58
126	Temperature-feedback direct laser reshaping of silicon nanostructures. Applied Physics Letters, 2017, 111, .	3.3	35

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127	Laser post-processing of halide perovskites for enhanced photoluminescence and absorbance. Journal of Physics: Conference Series, 2017, 917, 062002.	0.4	6
128	Fabrication of spherical GeSbTe nanoparticles by laser printing technique. Journal of Physics: Conference Series, 2017, 917, 062017.	0.4	1
129	Metal-dielectric nanocavity as a versatile optical sensing platform. , 2017, , .		0
130	Nanoscale optical high-temperature sensor. , 2017, , .		0
131	Nanoimprinted hybrid perovskite metasurfaces. , 2017, , .		0
132	Hybrid nanocavity for molecular sensing. , 2017, , .		0
133	Fabrication of Hybrid Nanostructures via Nanoscale Laser-Induced Reshaping for Advanced Light Manipulation. Advanced Materials, 2016, 28, 3087-3093.	21.0	107
134	Demonstration of the enhanced Purcell factor in all-dielectric structures. Applied Physics Letters, 2016, 108, .	3.3	62
135	Nanoand microstructuring of materials's™ surfaces using femtosecond laser pulses. Bulletin of the Russian Academy of Sciences: Physics, 2016, 80, 358-361.	0.6	1
136	Resonant Raman scattering from silicon nanoparticles enhanced by magnetic response. Nanoscale, 2016, 8, 9721-9726.	5.6	128
137	Laser printing of resonant plasmonic nanovoids. Nanoscale, 2016, 8, 12352-12361.	5.6	49
138	Controllable femtosecond laser-induced dewetting for plasmonic applications. Laser and Photonics Reviews, 2016, 10, 91-99.	8.7	66
139	Self-adjusted all-dielectric metasurfaces for deep ultraviolet femtosecond pulse generation. Nanoscale, 2016, 8, 17809-17814.	5.6	54
140	Plasmon-polariton assisted formation of nanotip arrays on surfaces of bulk aluminum upon femtosecond laser irradiation. Bulletin of the Russian Academy of Sciences: Physics, 2016, 80, 991-995.	0.6	2
141	Nonlinear Transient Dynamics of Photoexcited Resonant Silicon Nanostructures. ACS Photonics, 2016, 3, 1546-1551.	6.6	67
142	Laser fabrication of crystalline silicon nanoresonators from an amorphous film for low-loss all-dielectric nanophotonics. Nanoscale, 2016, 8, 5043-5048.	5.6	103
143	Nanoscale surface boiling in sub-threshold damage and above-threshold spallation of bulk aluminum and gold by single femtosecond laser pulses. Laser Physics Letters, 2016, 13, 025603.	1.4	33
144	Nanoscale boiling during single-shot femtosecond laser ablation of thin gold films. JETP Letters, 2015, 101, 394-397.	1.4	33

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145	Structural transformation and residual stresses in surface layers of Ti-6Al-4V titanium alloys nanotextured by femtosecond laser pulses. Applied Physics A: Materials Science and Processing, 2015, 119, 241-247.	2.3	34
146	Silicon as a virtual plasmonic material: Acquisition of its transient optical constants and the ultrafast surface plasmon-polariton excitation. Journal of Experimental and Theoretical Physics, 2015, 120, 946-959.	0.9	33
147	Nonlinear evolution of aluminum surface relief under multiple femtosecond laser irradiation. JETP Letters, 2015, 101, 350-357.	1.4	8
148	Towards all-dielectric metamaterials and nanophotonics. Proceedings of SPIE, 2015, , .	0.8	66
149	Flash-imprinting of intense femtosecond surface plasmons for advanced nanoantenna fabrication. Optics Letters, 2015, 40, 1687.	3.3	21
150	Experimental study of fs-laser induced sub-100-nm periodic surface structures on titanium. Optics Express, 2015, 23, 5915.	3.4	95
151	Tuning of Magnetic Optical Response in a Dielectric Nanoparticle by Ultrafast Photoexcitation of Dense Electron-Hole Plasma. Nano Letters, 2015, 15, 6187-6192.	9.1	162
152	Formation of crownlike and related nanostructures on thin supported gold films irradiated by single diffraction-limited nanosecond laser pulses. Physical Review E, 2014, 90, 023017.	2.1	29
153	Nanoscale hydrodynamic instability in a molten thin gold film induced by femtosecond laser ablation. JETP Letters, 2014, 99, 518-522.	1.4	27
154	Electron dynamics and prompt ablation of aluminum surface excited by intense femtosecond laser pulse. Applied Physics A: Materials Science and Processing, 2014, 117, 1757-1763.	2.3	32
155	Parabolic-like nanoantennas fabrication by femtosecond laser pulses for strong-field plasmonics. , 2014, , .		0
156	Enhancement of ultrafast electron photoemission from metallic nanoantennas excited by a femtosecond laser pulse. Laser Physics Letters, 2014, 11, 065301.	1.4	32
157	Optical apertureless fiber microprobe for surface laser modification of metal films with sub-100nm resolution. Optics Communications, 2013, 308, 125-129.	2.1	13
158	Sub-100 nanometer transverse gratings written by femtosecond laser pulses on a titanium surface. Laser Physics Letters, 2013, 10, 056004.	1.4	31
159	Focusing of intense femtosecond surface plasmon-polaritons. JETP Letters, 2013, 97, 599-603.	1.4	18
160	Femtosecond laser modification of titanium surfaces: direct imprinting of hydroxylapatite nanopowder and wettability tuning via surface microstructuring. Laser Physics Letters, 2013, 10, 045605.	1.4	14
161	Direct femtosecond laser fabrication of antireflective layer on GaAs surface. Applied Physics B: Lasers and Optics, 2013, 111, 419-423.	2.2	42
162	Through nanohole formation in thin metallic film by single nanosecond laser pulses using optical dielectric apertureless probe. Optics Letters, 2013, 38, 1452.	3.3	38

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163	Ultrafast electron dynamics on the silicon surface excited by an intense femtosecond laser pulse. JETP Letters, 2012, 96, 375-379.	1.4	24
164	Femtosecond laser color marking of metal and semiconductor surfaces. Applied Physics A: Materials Science and Processing, 2012, 107, 301-305.	2.3	74
165	Near-threshold femtosecond laser fabrication of one-dimensional subwavelength nanogratings on a graphite surface. Physical Review B, 2011, 83, .	3.2	48
166	Generation and detection of superstrong shock waves during ablation of an aluminum surface by intense femtosecond laser pulses. JETP Letters, 2011, 94, 34-38.	1.4	30
167	Nanoscale cavitation instability of the surface melt along the grooves of one-dimensional nanorelief gratings on an aluminum surface. JETP Letters, 2011, 94, 266-269.	1.4	46
168	Formation of periodic nanostructures on aluminum surface by femtosecond laser pulses. Nanotechnologies in Russia, 2011, 6, 237-243.	0.7	26
169	Topological evolution of self-induced silicon nanogratings during prolonged femtosecond laser irradiation. Applied Physics A: Materials Science and Processing, 2011, 104, 701-705.	2.3	16